



PAGE:
04/02/2008

VERIFICATION SUMMARY REPORT

DATE:

09:03:58

PATENT APPLICATION

TIME:

INPUT SEQ: D:\FELD3002CIP2.ST25.txt

GENERAL INFORMATION SECTION

1,<110>	Feldmann, Richard J.
3,<120>	Symmetry relationships between pairs of
Connectrons	
5,<130>	FELD3002CIP2
7,<140>	US 10/803,195
8,<141>	18 March 2004
10,<160>	120
12,<170>	Proprietary

ERRORED LINES SECTION

STATISTICS SUMMARY

Application Serial Number: US 10/803,195
Alpha or Numeric or Xml: Numeric
Application Class:
Application File Date: 18 March 2004
Art Unit:
Software Application: OTHER
Total Number of Sequences: 120
Total Nucleotides: 6848
Total Amino Acids: 0
Number of Errors: 0
Number of Warnings: 0
Number of Corrections: 0



FELD3002CIP2.ST25

<110> Feldmann, Richard J.

<120> Symmetry relationships between pairs of Connectrons

<130> FELD3002CIP2

<140> US 10/803,195

<141> 18 March 2004

<160> 120

<170> Proprietary

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Page 1

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ttggccat                                     68

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<210>      17
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<211> 58

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<223>      Chromosome = 920  Contig = 19  Strand = pos  CtronObjNum = 756563

<400>      58
agcccgagcc ccacctctcc cttagggacc tccgcccac                                     39

<210>      59

<211>      41
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<213>      Homo sapiens complete genome

<220>
<222>      (21789080)...(21789121)
<223>      Chromosome = 920  Contig = 19  Strand = pos  CtronObjNum = 756303

<400>      59
acctccgccc acctaccct caagccagga tgcccggagc g                                     41

<210>      60

<211>      41
<212>      DNA
<213>      Homo sapiens complete genome

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<220>
<222>      (21827379)...(21827420)
<223>      Chromosome = 920  Contig = 19  Strand = pos  CtronObjNum = 756615

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<210>      61
<211>      40
<212>      DNA
<213>      Homo sapiens complete genome

<220>
<222>      (21808781)...(21808820)
<223>      Chromosome = 920  Contig = 19  Strand = neg  CtronObjNum = 756433

<400>      61
cctaagggag aggtggggct cgggctgaat ccctcgttgg                                40

<210>      62
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<213>      Homo sapiens complete genome

<220>
<222>      (21827338)...(21827377)
<223>      Chromosome = 920  Contig = 19  Strand = neg  CtronObjNum = 756614

<400>      62
cctaagggag aggtggggct cgggctgaat ccctcgttgg                                40

<210>      63
<211>      34
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<213>      Homo sapiens complete genome

<220>
<222>      (21808740)...(21808773)
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<400>      63
gctccgggca tcctggcttg agggtagagt gggc                                34

<210>      64
<211>      34
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<213>      Homo sapiens complete genome

<220>
<222>      (21820748)...(21820781)
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<400> 64
gctccgggca tcctggcttg agggtagagt gggc 34

<210> 65

<211> 20

<212> DNA

<213> Arabidopsis thaliana complete genome

<220>

<222> (5320517)...(5320536)

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<400> 65

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<210> 66

<211> 20

<212> DNA

<213> Arabidopsis thaliana complete genome

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<222> (5311160)...(5311179)

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<210> 67

<211> 30

<212> DNA

<213> Arabidopsis thaliana complete genome

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<223> Chromosome = 18 Contig = 4 Strand = pos CtronObjNum = 269631

<400> 67

gtagacgtat ggtggtggtg gagacttgta 30

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<220>

<222> (5340361)...(5340390)

<223> Chromosome = 18 Contig = 4 Strand = pos CtronObjNum = 269890

<400> 68

FELD3002CIP2.ST25

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<210> 69

<211> 39

<212> DNA

<213> Arabidopsis thaliana complete genome

<220>

<222> (5324883)...(5324921)

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<400> 69

gctctccacc accaccatac tacagtccat ctccaaagg 39

<210> 70

<211> 39

<212> DNA

<213> Arabidopsis thaliana complete genome

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<222> (5340322)...(5340360)

<223> Chromosome = 18 Contig = 4 Strand = neg CtronObjNum = 269881

<400> 70

gctctccacc accaccatac tacagtccat ctccaaagg 39

<210> 71

<211> 16

<212> DNA

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<222> (5324867)...(5324882)

<223> Chromosome = 18 Contig = 4 Strand = neg CtronObjNum = 269741

<400> 71

ccaccatacgc tctaca 16

<210> 72

<211> 16

<212> DNA

<213> Arabidopsis thaliana complete genome

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<222> (5311176)...(5311191)

<223> Chromosome = 18 Contig = 4 Strand = neg CtronObjNum = 269509

<400> 72

ccaccatacgc tctaca 16

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<210>          73
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<213>          Escherichia coli K-12 MG1655 complete genome

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aacgccttat cccggcctacg g                                21

<210>          74
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<220>
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<400>          74
aacgccttat cccggcctacg g                                21

<210>          75
<211>          19
<212>          DNA
<213>          Escherichia coli K-12 MG1655 complete genome

<220>
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<400>          75
gtaggcctga taagacgcg                                    19

<210>          76
<211>          19
<212>          DNA
<213>          Escherichia coli K-12 MG1655 complete genome

<220>
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<400>          76
gtaggcctga taagacgcg                                    19

<210>          77
<211>          42

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<212>      DNA
<213>      Escherichia coli K-12 MG1655 complete genome

<220>
<222>      (376712)...(376753)
<223>      Chromosome = 1  Contig = 1  Strand = pos  CtronObjNum = 709

<400>      77
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<210>      78

<211>      42
<212>      DNA
<213>      Escherichia coli K-12 MG1655 complete genome

<220>
<222>      (374152)...(374193)
<223>      Chromosome = 1  Contig = 1  Strand = neg  CtronObjNum = 690

<400>      78
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<210>      79

<211>      37
<212>      DNA
<213>      Escherichia coli K-12 MG1655 complete genome

<220>
<222>      (376717)...(376753)
<223>      Chromosome = 1  Contig = 1  Strand = pos  CtronObjNum = 709

<400>      79
ccggataagg cgttcacgcc gcatccggca gtcgtgc 37

<210>      80

<211>      37
<212>      DNA
<213>      Escherichia coli K-12 MG1655 complete genome

<220>
<222>      (376617)...(376653)
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<400>      80
ccggataagg cgttcacgcc gcatccggca gtcgtgc 37

<210>      81

<211>      105
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<213>      Saccharomyces cerevisiae complete genome

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<220>
 <222> (111321)...(111425)
 <223> Chromosome = 7 Contig = 7 Strand = neg CtronObjNum = 10928

<400> 81
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 cgcaaggatt gataatgtaa taggatcaat gaatattaac atata 105

<210> 82

<211> 105

<212> DNA

<213> Saccharomyces cerevisiae complete genome

<220>
 <222> (84359)...(84463)
 <223> Chromosome = 3 Contig = 3 Strand = pos CtronObjNum = 2988

<400> 82
 cggtgttaga agatgacgca aatgatgaga aatagtcatc taaattagtg gaagctgaaa 60
 cgcaaggatt gataatgtaa taggatcaat gaatattaac atata 105

<210> 83

<211> 38

<212> DNA

<213> Saccharomyces cerevisiae complete genome

<220>
 <222> (111449)...(111486)
 <223> Chromosome = 7 Contig = 7 Strand = neg CtronObjNum = 10945

<400> 83
 tcattacta actagtattt acgttactag tatattat 38

<210> 84

<211> 38

<212> DNA

<213> Saccharomyces cerevisiae complete genome

<220>
 <222> (168765)...(168802)
 <223> Chromosome = 3 Contig = 3 Strand = neg CtronObjNum = 3500

<400> 84
 tcattacta actagtattt acgttactag tatattat 38

<210> 85

<211> 152

<212> DNA

<213> Saccharomyces cerevisiae complete genome

<220>

FELD3002CIP2.ST25

<222> (645641)...(645792)
 <223> Chromosome = 4 Contig = 4 Strand = neg CtronObjNum = 5116

<400>	85						
tcatctacta	actagtat	acgttactag	tatattatca	tatacgggtgt	tagaagatga		60
cgcaaatgat	gagaaatagt	catctaaatt	agtggaagct	gaaacgcaag	gattgataat		120
gtaataggat	caatgaatat	taacatatataa	aa				152

<210> 86

<211> 152

<212> DNA

<213> Saccharomyces cerevisiae complete genome

<220>
 <222> (84315)...(84466)
 <223> Chromosome = 3 Contig = 3 Strand = pos CtronObjNum = 2991

<400>	86						
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cgcaaatgat	gagaaatagt	catctaaatt	agtggaagct	gaaacgcaag	gattgataat		120
gtaataggat	caatgaatat	taacatatataa	aa				152

<210> 87

<211> 143

<212> DNA

<213> Saccharomyces cerevisiae complete genome

<220>
 <222> (645641)...(645783)
 <223> Chromosome = 4 Contig = 4 Strand = neg CtronObjNum = 5116

<400>	87						
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cgcaaatgat	gagaaatagt	catctaaatt	agtggaagct	gaaacgcaag	gattgataat		120
gtaataggat	caatgaatat	taa					143

<210> 88

<211> 143

<212> DNA

<213> Saccharomyces cerevisiae complete genome

<220>
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 <223> Chromosome = 3 Contig = 3 Strand = neg CtronObjNum = 3496

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cgcaaatgat	gagaaatagt	catctaaatt	agtggaagct	gaaacgcaag	gattgataat		120
gtaataggat	caatgaatat	taa					143

<210> 89

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<211>          34
<212>          DNA
<213>          Caenorhabditis elegans complete genome

<220>
<222>          (13819470)...(13819500)
<223>          Chromosome = 6 Contig = 2 Strand = neg CtronObjNum = 51392

<400>          89
accgaaccca acggccctct ttagggccac aaat          34

<210>          90

<211>          34
<212>          DNA
<213>          Caenorhabditis elegans complete genome

<220>
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<223>          Chromosome = 6 Contig = 2 Strand = neg CtronObjNum = 51379

<400>          90
accgaaccca acggccctct ttagggccac aaat          34

<210>          91

<211>          34
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<213>          Caenorhabditis elegans complete genome

<220>
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<400>          91
accgaaccca acggccctct ttagggccac aaat          34

<210>          92

<211>          34
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<220>
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<223>          Chromosome = 6 Contig = 2 Strand = pos CtronObjNum = 51400

<400>          92
accgaaccca acggccctct ttagggccac aaat          34

<210>          93

<211>          48
<212>          DNA
<213>          Caenorhabditis elegans complete genome

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<220>
<222>      (13820791)...(13820840)
<223>      Chromosome = 6  Contig = 2  Strand = neg  CtronObjNum = 51410

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<210>      94
<211>      48
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<213>      Caenorhabditis elegans complete genome

<220>
<222>      (13817583)...(13817630)
<223>      Chromosome = 6  Contig = 2  Strand = neg  CtronObjNum = 51379

<400>      94
caacacacct aaccgaaccc aacggccctc tttagggcca caaatgtt      48

<210>      95
<211>      39
<212>      DNA
<213>      Caenorhabditis elegans complete genome

<220>
<222>      (13820800)...(13820840)
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<400>      95
ctaaccgaac ccaacggccc tctttagggc cacaaatgt      39

<210>      96
<211>      39
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<213>      Caenorhabditis elegans complete genome

<220>
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<223>      Chromosome = 6  Contig = 2  Strand = pos  CtronObjNum = 51400

<400>      96
ctaaccgaac ccaacggccc tctttagggc cacaaatgt      39

<210>      97
<211>      28
<212>      DNA
<213>      Arabidopsis thaliana complete genome

<220>
<222>      (12540150)...(12540174)

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<223>      Chromosome = 15      Contig = 3      Strand = neg      CtronObjNum = 102175
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<400> 97
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<210> 98

<211> 28

<212> DNA

<213> Arabidopsis thaliana complete genome

<220>

<222> (13558720)...(13558750)

<223> Chromosome = 15 Contig = 3 Strand = neg CtronObjNum = 102902

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<210> **99**

<211> 35

<212> **DNA**

<213> Arabidopsis thaliana complete genome

<220>

<222> (12540184) ... (12540220)

<223> Chromosome = 15 Contig = 3 Strand = neg CtronObjNum = 102176

<400> 99
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$\langle 210 \rangle$	100
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<211> 35

<212> DNA

<213> Arabidopsis thaliana complete genome

<220>

<222> (13634210) ... (13634240)

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<223> Chromosome = 15  Contig = 3  Strand = pos  CtronObjNum = 103090
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<400> 100
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<210> 101

<211> 37

<212> **DNA**

<213> Arabidopsis thaliana complete genome

<220>

<222> (13626660)...(13626700)

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<223> Chromosome = 15  Contig = 3  Strand = pos  CtronObjNum = 103067
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<400> 101
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<210> 102

<211> 37

<212> DNA

<213> Arabidopsis thaliana complete genome

<220>

<222> (13558713)...(13558750)

<223> Chromosome = 15 Contig = 3 Strand = neg CtronObjNum = 102902

<400> 102
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<210> 103

<211> 68

<212> DNA

<213> Arabidopsis thaliana complete genome

<220>

<222> (13626624)...(13626691)

<223> Chromosome = 15 Contig = 3 Strand = pos CtronObjNum = 103067

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gctaagggt 68

<210> 104

<211> 68

<212> DNA

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<222> (13634202)...(13634270)

<223> Chromosome = 15 Contig = 3 Strand = pos CtronObjNum = 103090

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gctaagggt 68

<210> 105

<211> 82

<212> DNA

<213> Saccharomyces cerevisiae complete genome

<220>

<222> (84112)...(84193)

<223> Chromosome = 3 Contig = 3 Strand = pos CtronObjNum = 2944

<400> 105

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atcaaatacat	acctgataaa	ac				82

<210> 106

<211> 82

<212> DNA

<213> Saccharomyces cerevisiae complete genome

<220>

<222> (82743)...(82824)

<223> Chromosome = 3 Contig = 3 Strand = pos CtronObjNum = 2901

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atcaaatacat	acctgataaa	ac				82

<210> 107

<211> 34

<212> DNA

<213> Saccharomyces cerevisiae complete genome

<220>

<222> (84195)...(84228)

<223> Chromosome = 3 Contig = 3 Strand = pos CtronObjNum = 2965

<400> 107

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<210> 108

<211> 34

<212> DNA

<213> Saccharomyces cerevisiae complete genome

<220>

<222> (169327)...(169360)

<223> Chromosome = 3 Contig = 3 Strand = pos CtronObjNum = 3529

<400> 108

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<210> 109

<211> 16

<212> DNA

<213> Saccharomyces cerevisiae complete genome

<220>

<222> (151534)...(151549)

<223> Chromosome = 3 Contig = 3 Strand = neg CtronObjNum = 3387

<400> 109

taattgttgg	gattcc					16
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FELD3002CIP2.ST25

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<210>          110
<211>          16
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<213>          Saccharomyces cerevisiae complete genome

<220>
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<223>          Chromosome = 3  Contig = 3  Strand = neg  CtronObjNum = 3526

<400>          110
taattgttgg  gattcc                                     16

<210>          111
<211>          16
<212>          DNA
<213>          Saccharomyces cerevisiae complete genome

<220>
<222>          (151516)...(151531)
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<400>          111
aaaggctata  atatta                                     16

<210>          112
<211>          16
<212>          DNA
<213>          Saccharomyces cerevisiae complete genome

<220>
<222>          (82825)...(82840)
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<400>          112
aaaggctata  atatta                                     16

<210>          113
<211>          32
<212>          DNA
<213>          Homo sapiens complete genome

<220>
<222>          (17572332)...(17572363)
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<210>          114

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<211>          32
<212>          DNA
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<220>
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<223>          Chromosome = 922  Contig = 19  Strand = neg  CtronObjNum = 765474

<400>          114
ccagcccctc  ctccctcaga  cccaggagtc  ca                                32

<210>          115

<211>          32
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<220>
<222>          (17572369)...(17572400)
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<400>          115
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<210>          116

<211>          32
<212>          DNA
<213>          Homo sapiens complete genome

<220>
<222>          (28004852)...(28004883)
<223>          Chromosome = 922  Contig = 19  Strand = pos  CtronObjNum = 765567

<400>          116
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<210>          117

<211>          40
<212>          DNA
<213>          Homo sapiens complete genome

<220>
<222>          (17573447)...(17573486)
<223>          Chromosome = 920  Contig = 19  Strand = pos  CtronObjNum = 747819

<400>          117
ccccagcccc  tcctccctca  gaccaggag  tccagacccc                                40

<210>          118

<211>          40
<212>          DNA

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<213>      Homo sapiens complete genome

<220>
<222>      (27988176)...(27988215)
<223>      Chromosome = 922  Contig = 19  Strand = neg  CtronObjNum = 765474

<400>      118
ccccagcccc  tcctccctca  gaccaggag  tccagacccc      40

<210>      119

<211>      39
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<213>      Homo sapiens complete genome

<220>
<222>      (17573520)...(17573557)
<223>      Chromosome = 920  Contig = 19  Strand = pos  CtronObjNum = 747823

<400>      119
ggccccagcc  cctcctccct  cagaccagg  agtcagg      39

<210>      120

<211>      39
<212>      DNA
<213>      Homo sapiens complete genome

<220>
<222>      (28004848)...(28004887)
<223>      Chromosome = 922  Contig = 19  Strand = pos  CtronObjNum = 765567

<400>      120
ggccccagcc  cctcctccct  cagaccagg  agtcagg      39

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